Supplementary material

Table S1. The post hoc test of Table 3.

multiple comparisons							
LSD							
Dependent variable	(I) Group	(J) Group	Difference value (I-J)	Standard error	Significance	95% Confidence interval	
						Floor	Upper limit
BOD_5	1	2	1.09	0.60701	0.075	-0.1132	2.2932
		3	4.29000*	0.60701	0	3.0868	5.4932
		4	3.86000*	0.60701	0	2.6568	5.0632
		5	4.45000*	0.60701	0	3.2468	5.6532
		6	5.14000*	0.60701	0	3.9368	6.3432
		7	6.78000*	0.60701	0	5.5768	7.9832
		8	4.29000*	0.60701	0	3.0868	5.4932
		9	7.58000*	0.60701	0	6.3768	8.7832
		10	4.33000*	0.60701	0	3.1268	5.5332
		11	3.99000*	0.60701	0	2.7868	5.1932
		12	5.83000*	0.60701	0	4.6268	7.0332
	2	1	-1.09	0.60701	0.075	-2.2932	0.1132
		3	3.20000*	0.60701	0	1.9968	4.4032
		4	2.77000*	0.60701	0	1.5668	3.9732
		5	3.36000*	0.60701	0	2.1568	4.5632
		6	4.05000*	0.60701	0	2.8468	5.2532
		7	5.69000*	0.60701	0	4.4868	6.8932
		8	3.20000*	0.60701	0	1.9968	4.4032
		9	6.49000*	0.60701	0	5.2868	7.6932
		10	3.24000*	0.60701	0	2.0368	4.4432
		11	2.90000*	0.60701	0	1.6968	4.1032
		12	4.74000*	0.60701	0	3.5368	5.9432
	3	1	-4.29000*	0.60701	0	-5.4932	-3.0868
		2	-3.20000*	0.60701	0	-4.4032	-1.9968
		4	-0.43	0.60701	0.48	-1.6332	0.7732
		5	0.16	0.60701	0.793	-1.0432	1.3632
		6	0.85	0.60701	0.164	-0.3532	2.0532
		7	2.49000*	0.60701	0	1.2868	3.6932
		8	0	0.60701	1	-1.2032	1.2032
		9	3.29000*	0.60701	0	2.0868	4.4932
		10	0.04	0.60701	0.948	-1.1632	1.2432
		11	-0.3	0.60701	0.622	-1.5032	0.9032
		12	1.54000*	0.60701	0.013	0.3368	2.7432

	4	1	-3.86000*	0.60701	0	-5.0632	-2.6568
		2	-2.77000*	0.60701	0	-3.9732	-1.5668
		3	0.43	0.60701	0.48	-0.7732	1.6332
		5	0.59	0.60701	0.333	-0.6132	1.7932
		6	1.28000*	0.60701	0.037	0.0768	2.4832
		7	2.92000*	0.60701	0	1.7168	4.1232
		8	0.43	0.60701	0.48	-0.7732	1.6332
		9	3.72000*	0.60701	0	2.5168	4.9232
		10	0.47	0.60701	0.44	-0.7332	1.6732
		11	0.13	0.60701	0.831	-1.0732	1.3332
		12	1.97000*	0.60701	0.002	0.7668	3.1732
	5	1	-4.45000*	0.60701	0	-5.6532	-3.2468
		2	-3.36000*	0.60701	0	-4.5632	-2.1568
		3	-0.16	0.60701	0.793	-1.3632	1.0432
		4	-0.59	0.60701	0.333	-1.7932	0.6132
		6	0.69	0.60701	0.258	-0.5132	1.8932
		7	2.33000*	0.60701	0	1.1268	3.5332
		8	-0.16	0.60701	0.793	-1.3632	1.0432
		9	3.13000*	0.60701	0	1.9268	4.3332
		10	-0.12	0.60701	0.844	-1.3232	1.0832
		11	-0.46	0.60701	0.45	-1.6632	0.7432
		12	1.38000*	0.60701	0.025	0.1768	2.5832
	6	1	-5.14000*	0.60701	0	-6.3432	-3.9368
		2	-4.05000*	0.60701	0	-5.2532	-2.8468
		3	-0.85	0.60701	0.164	-2.0532	0.3532
		4	-1.28000*	0.60701	0.037	-2.4832	-0.0768
		5	-0.69	0.60701	0.258	-1.8932	0.5132
		7	1.64000*	0.60701	0.008	0.4368	2.8432
		8	-0.85	0.60701	0.164	-2.0532	0.3532
		9	2.44000*	0.60701	0	1.2368	3.6432
		10	-0.81	0.60701	0.185	-2.0132	0.3932
		11	-1.15	0.60701	0.061	-2.3532	0.0532
		12	0.69	0.60701	0.258	-0.5132	1.8932
	7	1	-6.78000*	0.60701	0	-7.9832	-5.5768
		2	-5.69000*	0.60701	0	-6.8932	-4.4868
		3	-2.49000*	0.60701	0	-3.6932	-1.2868
		4	-2.92000*	0.60701	0	-4.1232	-1.7168
		5	-2.33000*	0.60701	0	-3.5332	-1.1268
		6	-1.64000*	0.60701	0.008	-2.8432	-0.4368
		8	-2.49000*	0.60701	0	-3.6932	-1.2868
		9	0.8	0.60701	0.19	-0.4032	2.0032
		10	-2.45000*	0.60701	0	-3.6532	-1.2468
		11	-2.79000*	0.60701	0	-3.9932	-1.5868

		12	-0.95	0.60701	0.12	-2.1532	0.2532
	8	1	-4.29000*	0.60701	0	-5.4932	-3.0868
		2	-3.20000*	0.60701	0	-4.4032	-1.9968
		3	0	0.60701	1	-1.2032	1.2032
		4	-0.43	0.60701	0.48	-1.6332	0.7732
		5	0.16	0.60701	0.793	-1.0432	1.3632
		6	0.85	0.60701	0.164	-0.3532	2.0532
		7	2.49000*	0.60701	0	1.2868	3.6932
		9	3.29000*	0.60701	0	2.0868	4.4932
		10	0.04	0.60701	0.948	-1.1632	1.2432
		11	-0.3	0.60701	0.622	-1.5032	0.9032
		12	1.54000*	0.60701	0.013	0.3368	2.7432
	9	1	-7.58000*	0.60701	0	-8.7832	-6.3768
		2	-6.49000*	0.60701	0	-7.6932	-5.2868
		3	-3.29000*	0.60701	0	-4.4932	-2.0868
		4	-3.72000*	0.60701	0	-4.9232	-2.5168
		5	-3.13000*	0.60701	0	-4.3332	-1.9268
		6	-2.44000*	0.60701	0	-3.6432	-1.2368
		7	-0.8	0.60701	0.19	-2.0032	0.4032
		8	-3.29000*	0.60701	0	-4.4932	-2.0868
		10	-3.25000*	0.60701	0	-4.4532	-2.0468
		11	-3.59000*	0.60701	0	-4.7932	-2.3868
		12	-1.75000*	0.60701	0.005	-2.9532	-0.5468
	10	1	-4.33000*	0.60701	0	-5.5332	-3.1268
		2	-3.24000*	0.60701	0	-4.4432	-2.0368
		3	-0.04	0.60701	0.948	-1.2432	1.1632
		4	-0.47	0.60701	0.44	-1.6732	0.7332
		5	0.12	0.60701	0.844	-1.0832	1.3232
		6	0.81	0.60701	0.185	-0.3932	2.0132
		7	2.45000*	0.60701	0	1.2468	3.6532
		8	-0.04	0.60701	0.948	-1.2432	1.1632
		9	3.25000*	0.60701	0	2.0468	4.4532
		11	-0.34	0.60701	0.577	-1.5432	0.8632
		12	1.50000*	0.60701	0.015	0.2968	2.7032
	11	1	-3.99000*	0.60701	0	-5.1932	-2.7868
		2	-2.90000*	0.60701	0	-4.1032	-1.6968
		3	0.3	0.60701	0.622	-0.9032	1.5032
		4	-0.13	0.60701	0.831	-1.3332	1.0732
		5	0.46	0.60701	0.45	-0.7432	1.6632
		6	1.15	0.60701	0.061	-0.0532	2.3532
		7	2.79000*	0.60701	0	1.5868	3.9932
		8	0.3	0.60701	0.622	-0.9032	1.5032
		9	3.59000*	0.60701	0	2.3868	4.7932

		10	0.34	0.60701	0.577	-0.8632	1.5432
		12	1.84000*	0.60701	0.003	0.6368	3.0432
	12	1	-5.83000*	0.60701	0	-7.0332	-4.6268
		2	-4.74000*	0.60701	0	-5.9432	-3.5368
		3	-1.54000*	0.60701	0.013	-2.7432	-0.3368
		4	-1.97000*	0.60701	0.002	-3.1732	-0.7668
		5	-1.38000*	0.60701	0.025	-2.5832	-0.1768
		6	-0.69	0.60701	0.258	-1.8932	0.5132
		7	0.95	0.60701	0.12	-0.2532	2.1532
		8	-1.54000*	0.60701	0.013	-2.7432	-0.3368
		9	1.75000*	0.60701	0.005	0.5468	2.9532
		10	-1.50000*	0.60701	0.015	-2.7032	-0.2968
		11	-1.84000*	0.60701	0.003	-3.0432	-0.6368
COD	1	2	4.6	2.33377	0.051	-0.0259	9.2259
		3	1.3	2.33377	0.579	-3.3259	5.9259
		4	2.5	2.33377	0.286	-2.1259	7.1259
		5	5.40000*	2.33377	0.023	0.7741	10.0259
		6	10.70000*	2.33377	0	6.0741	15.3259
		7	3.9	2.33377	0.098	-0.7259	8.5259
		8	5.90000*	2.33377	0.013	1.2741	10.5259
		9	15.80000*	2.33377	0	11.1741	20.4259
		10	11.70000*	2.33377	0	7.0741	16.3259
		11	12.40000*	2.33377	0	7.7741	17.0259
		12	3.7	2.33377	0.116	-0.9259	8.3259
	2	1	-4.6	2.33377	0.051	-9.2259	0.0259
		3	-3.3	2.33377	0.16	-7.9259	1.3259
		4	-2.1	2.33377	0.37	-6.7259	2.5259
		5	0.8	2.33377	0.732	-3.8259	5.4259
		6	6.10000*	2.33377	0.01	1.4741	10.7259
		7	-0.7	2.33377	0.765	-5.3259	3.9259
		8	1.3	2.33377	0.579	-3.3259	5.9259
		9	11.20000*	2.33377	0	6.5741	15.8259
		10	7.10000*	2.33377	0.003	2.4741	11.7259
		11	7.80000*	2.33377	0.001	3.1741	12.4259
		12	-0.9	2.33377	0.701	-5.5259	3.7259
	3	1	-1.3	2.33377	0.579	-5.9259	3.3259
		2	3.3	2.33377	0.16	-1.3259	7.9259
		4	1.2	2.33377	0.608	-3.4259	5.8259
		5	4.1	2.33377	0.082	-0.5259	8.7259
		6	9.40000*	2.33377	0	4.7741	14.0259
		7	2.6	2.33377	0.268	-2.0259	7.2259
		8	4.6	2.33377	0.051	-0.0259	9.2259
		9	14.50000*	2.33377	0	9.8741	19.1259

		10	10.40000*	2.33377	0	5.7741	15.0259
		11	11.10000*	2.33377	0	6.4741	15.7259
		12	2.4	2.33377	0.306	-2.2259	7.0259
	4	1	-2.5	2.33377	0.286	-7.1259	2.1259
		2	2.1	2.33377	0.37	-2.5259	6.7259
		3	-1.2	2.33377	0.608	-5.8259	3.4259
		5	2.9	2.33377	0.217	-1.7259	7.5259
		6	8.20000*	2.33377	0.001	3.5741	12.8259
		7	1.4	2.33377	0.55	-3.2259	6.0259
		8	3.4	2.33377	0.148	-1.2259	8.0259
		9	13.30000*	2.33377	0	8.6741	17.9259
		10	9.20000*	2.33377	0	4.5741	13.8259
		11	9.90000*	2.33377	0	5.2741	14.5259
		12	1.2	2.33377	0.608	-3.4259	5.8259
	5	1	-5.40000*	2.33377	0.023	-10.0259	-0.7741
		2	-0.8	2.33377	0.732	-5.4259	3.8259
		3	-4.1	2.33377	0.082	-8.7259	0.5259
		4	-2.9	2.33377	0.217	-7.5259	1.7259
		6	5.30000*	2.33377	0.025	0.6741	9.9259
		7	-1.5	2.33377	0.522	-6.1259	3.1259
		8	0.5	2.33377	0.831	-4.1259	5.1259
		9	10.40000*	2.33377	0	5.7741	15.0259
		10	6.30000*	2.33377	0.008	1.6741	10.9259
		11	7.00000*	2.33377	0.003	2.3741	11.6259
		12	-1.7	2.33377	0.468	-6.3259	2.9259
	6	1	-10.70000*	2.33377	0	-15.3259	-6.0741
		2	-6.10000*	2.33377	0.01	-10.7259	-1.4741
		3	-9.40000*	2.33377	0	-14.0259	-4.7741
		4	-8.20000*	2.33377	0.001	-12.8259	-3.5741
		5	-5.30000*	2.33377	0.025	-9.9259	-0.6741
		7	-6.80000*	2.33377	0.004	-11.4259	-2.1741
		8	-4.80000*	2.33377	0.042	-9.4259	-0.1741
		9	5.10000*	2.33377	0.031	0.4741	9.7259
		10	1	2.33377	0.669	-3.6259	5.6259
		11	1.7	2.33377	0.468	-2.9259	6.3259
		12	-7.00000*	2.33377	0.003	-11.6259	-2.3741
	7	1	-3.9	2.33377	0.098	-8.5259	0.7259
		2	0.7	2.33377	0.765	-3.9259	5.3259
		3	-2.6	2.33377	0.268	-7.2259	2.0259
		4	-1.4	2.33377	0.55	-6.0259	3.2259
		5	1.5	2.33377	0.522	-3.1259	6.1259
		6	6.80000*	2.33377	0.004	2.1741	11.4259
		8	2	2.33377	0.393	-2.6259	6.6259

		9	11.90000*	2.33377	0	7.2741	16.5259
		10	7.80000*	2.33377	0.001	3.1741	12.4259
		11	8.50000*	2.33377	0	3.8741	13.1259
		12	-0.2	2.33377	0.932	-4.8259	4.4259
	8	1	-5.90000*	2.33377	0.013	-10.5259	-1.2741
		2	-1.3	2.33377	0.579	-5.9259	3.3259
		3	-4.6	2.33377	0.051	-9.2259	0.0259
		4	-3.4	2.33377	0.148	-8.0259	1.2259
		5	-0.5	2.33377	0.831	-5.1259	4.1259
		6	4.80000*	2.33377	0.042	0.1741	9.4259
		7	-2	2.33377	0.393	-6.6259	2.6259
		9	9.90000*	2.33377	0	5.2741	14.5259
		10	5.80000*	2.33377	0.014	1.1741	10.4259
		11	6.50000*	2.33377	0.006	1.8741	11.1259
		12	-2.2	2.33377	0.348	-6.8259	2.4259
	9	1	-15.80000*	2.33377	0	-20.4259	-11.1741
		2	-11.20000*	2.33377	0	-15.8259	-6.5741
		3	-14.50000*	2.33377	0	-19.1259	-9.8741
		4	-13.30000*	2.33377	0	-17.9259	-8.6741
		5	-10.40000*	2.33377	0	-15.0259	-5.7741
		6	-5.10000*	2.33377	0.031	-9.7259	-0.4741
		7	-11.90000*	2.33377	0	-16.5259	-7.2741
		8	-9.90000*	2.33377	0	-14.5259	-5.2741
		10	-4.1	2.33377	0.082	-8.7259	0.5259
		11	-3.4	2.33377	0.148	-8.0259	1.2259
		12	-12.10000*	2.33377	0	-16.7259	-7.4741
	10	1	-11.70000*	2.33377	0	-16.3259	-7.0741
		2	-7.10000*	2.33377	0.003	-11.7259	-2.4741
		3	-10.40000*	2.33377	0	-15.0259	-5.7741
		4	-9.20000*	2.33377	0	-13.8259	-4.5741
		5	-6.30000*	2.33377	0.008	-10.9259	-1.6741
		6	-1	2.33377	0.669	-5.6259	3.6259
		7	-7.80000*	2.33377	0.001	-12.4259	-3.1741
		8	-5.80000*	2.33377	0.014	-10.4259	-1.1741
		9	4.1	2.33377	0.082	-0.5259	8.7259
		11	0.7	2.33377	0.765	-3.9259	5.3259
		12	-8.00000*	2.33377	0.001	-12.6259	-3.3741
	11	1	-12.40000*	2.33377	0	-17.0259	-7.7741
		2	-7.80000*	2.33377	0.001	-12.4259	-3.1741
		3	-11.10000*	2.33377	0	-15.7259	-6.4741
		4	-9.90000*	2.33377	0	-14.5259	-5.2741
		5	-7.00000*	2.33377	0.003	-11.6259	-2.3741
		6	-1.7	2.33377	0.468	-6.3259	2.9259

		7	-8.50000*	2.33377	0	-13.1259	-3.8741
		8	-6.50000*	2.33377	0.006	-11.1259	-1.8741
		9	3.4	2.33377	0.148	-1.2259	8.0259
		10	-0.7	2.33377	0.765	-5.3259	3.9259
		12	-8.70000*	2.33377	0	-13.3259	-4.0741
	12	1	-3.7	2.33377	0.116	-8.3259	0.9259
		2	0.9	2.33377	0.701	-3.7259	5.5259
		3	-2.4	2.33377	0.306	-7.0259	2.2259
		4	-1.2	2.33377	0.608	-5.8259	3.4259
		5	1.7	2.33377	0.468	-2.9259	6.3259
		6	7.00000*	2.33377	0.003	2.3741	11.6259
		7	0.2	2.33377	0.932	-4.4259	4.8259
		8	2.2	2.33377	0.348	-2.4259	6.8259
		9	12.10000*	2.33377	0	7.4741	16.7259
		10	8.00000*	2.33377	0.001	3.3741	12.6259
		11	8.70000*	2.33377	0	4.0741	13.3259
TN	1	2	1.099	0.93926	0.245	-0.7628	2.9608
		3	2.33900*	0.93926	0.014	0.4772	4.2008
		4	2.16400*	0.93926	0.023	0.3022	4.0258
		5	1.322	0.93926	0.162	-0.5398	3.1838
		6	1.773	0.93926	0.062	-0.0888	3.6348
		7	1.364	0.93926	0.149	-0.4978	3.2258
		8	1.634	0.93926	0.085	-0.2278	3.4958
		9	0.179	0.93926	0.849	-1.6828	2.0408
		10	1.88000*	0.93926	0.048	0.0182	3.7418
		11	-0.786	0.93926	0.405	-2.6478	1.0758
		12	1.27	0.93926	0.179	-0.5918	3.1318
	2	1	-1.099	0.93926	0.245	-2.9608	0.7628
		3	1.24	0.93926	0.19	-0.6218	3.1018
		4	1.065	0.93926	0.259	-0.7968	2.9268
		5	0.223	0.93926	0.813	-1.6388	2.0848
		6	0.674	0.93926	0.475	-1.1878	2.5358
		7	0.265	0.93926	0.778	-1.5968	2.1268
		8	0.535	0.93926	0.57	-1.3268	2.3968
		9	-0.92	0.93926	0.33	-2.7818	0.9418
		10	0.781	0.93926	0.408	-1.0808	2.6428
		11	-1.88500*	0.93926	0.047	-3.7468	-0.0232
		12	0.171	0.93926	0.856	-1.6908	2.0328
	3	1	-2.33900*	0.93926	0.014	-4.2008	-0.4772
		2	-1.24	0.93926	0.19	-3.1018	0.6218
		4	-0.175	0.93926	0.853	-2.0368	1.6868
		5	-1.017	0.93926	0.281	-2.8788	0.8448
		6	-0.566	0.93926	0.548	-2.4278	1.2958

		7	-0.975	0.93926	0.302	-2.8368	0.8868
		8	-0.705	0.93926	0.455	-2.5668	1.1568
		9	-2.16000*	0.93926	0.023	-4.0218	-0.2982
		10	-0.459	0.93926	0.626	-2.3208	1.4028
		11	-3.12500*	0.93926	0.001	-4.9868	-1.2632
		12	-1.069	0.93926	0.258	-2.9308	0.7928
	4	1	-2.16400*	0.93926	0.023	-4.0258	-0.3022
		2	-1.065	0.93926	0.259	-2.9268	0.7968
		3	0.175	0.93926	0.853	-1.6868	2.0368
		5	-0.842	0.93926	0.372	-2.7038	1.0198
		6	-0.391	0.93926	0.678	-2.2528	1.4708
		7	-0.8	0.93926	0.396	-2.6618	1.0618
		8	-0.53	0.93926	0.574	-2.3918	1.3318
		9	-1.98500*	0.93926	0.037	-3.8468	-0.1232
		10	-0.284	0.93926	0.763	-2.1458	1.5778
		11	-2.95000*	0.93926	0.002	-4.8118	-1.0882
		12	-0.894	0.93926	0.343	-2.7558	0.9678
	5	1	-1.322	0.93926	0.162	-3.1838	0.5398
		2	-0.223	0.93926	0.813	-2.0848	1.6388
		3	1.017	0.93926	0.281	-0.8448	2.8788
		4	0.842	0.93926	0.372	-1.0198	2.7038
		6	0.451	0.93926	0.632	-1.4108	2.3128
		7	0.042	0.93926	0.964	-1.8198	1.9038
		8	0.312	0.93926	0.74	-1.5498	2.1738
		9	-1.143	0.93926	0.226	-3.0048	0.7188
		10	0.558	0.93926	0.554	-1.3038	2.4198
		11	-2.10800*	0.93926	0.027	-3.9698	-0.2462
		12	-0.052	0.93926	0.956	-1.9138	1.8098
	6	1	-1.773	0.93926	0.062	-3.6348	0.0888
		2	-0.674	0.93926	0.475	-2.5358	1.1878
		3	0.566	0.93926	0.548	-1.2958	2.4278
		4	0.391	0.93926	0.678	-1.4708	2.2528
		5	-0.451	0.93926	0.632	-2.3128	1.4108
		7	-0.409	0.93926	0.664	-2.2708	1.4528
		8	-0.139	0.93926	0.883	-2.0008	1.7228
		9	-1.594	0.93926	0.093	-3.4558	0.2678
		10	0.107	0.93926	0.91	-1.7548	1.9688
		11	-2.55900*	0.93926	0.008	-4.4208	-0.6972
		12	-0.503	0.93926	0.593	-2.3648	1.3588
	7	1	-1.364	0.93926	0.149	-3.2258	0.4978
		2	-0.265	0.93926	0.778	-2.1268	1.5968
		3	0.975	0.93926	0.302	-0.8868	2.8368
		4	0.8	0.93926	0.396	-1.0618	2.6618

		5	-0.042	0.93926	0.964	-1.9038	1.8198
		6	0.409	0.93926	0.664	-1.4528	2.2708
		8	0.27	0.93926	0.774	-1.5918	2.1318
		9	-1.185	0.93926	0.21	-3.0468	0.6768
		10	0.516	0.93926	0.584	-1.3458	2.3778
		11	-2.15000*	0.93926	0.024	-4.0118	-0.2882
		12	-0.094	0.93926	0.92	-1.9558	1.7678
	8	1	-1.634	0.93926	0.085	-3.4958	0.2278
		2	-0.535	0.93926	0.57	-2.3968	1.3268
		3	0.705	0.93926	0.455	-1.1568	2.5668
		4	0.53	0.93926	0.574	-1.3318	2.3918
		5	-0.312	0.93926	0.74	-2.1738	1.5498
		6	0.139	0.93926	0.883	-1.7228	2.0008
		7	-0.27	0.93926	0.774	-2.1318	1.5918
		9	-1.455	0.93926	0.124	-3.3168	0.4068
		10	0.246	0.93926	0.794	-1.6158	2.1078
		11	-2.42000*	0.93926	0.011	-4.2818	-0.5582
		12	-0.364	0.93926	0.699	-2.2258	1.4978
	9	1	-0.179	0.93926	0.849	-2.0408	1.6828
		2	0.92	0.93926	0.33	-0.9418	2.7818
		3	2.16000*	0.93926	0.023	0.2982	4.0218
		4	1.98500*	0.93926	0.037	0.1232	3.8468
		5	1.143	0.93926	0.226	-0.7188	3.0048
		6	1.594	0.93926	0.093	-0.2678	3.4558
		7	1.185	0.93926	0.21	-0.6768	3.0468
		8	1.455	0.93926	0.124	-0.4068	3.3168
		10	1.701	0.93926	0.073	-0.1608	3.5628
		11	-0.965	0.93926	0.307	-2.8268	0.8968
		12	1.091	0.93926	0.248	-0.7708	2.9528
	10	1	-1.88000*	0.93926	0.048	-3.7418	-0.0182
		2	-0.781	0.93926	0.408	-2.6428	1.0808
		3	0.459	0.93926	0.626	-1.4028	2.3208
		4	0.284	0.93926	0.763	-1.5778	2.1458
		5	-0.558	0.93926	0.554	-2.4198	1.3038
		6	-0.107	0.93926	0.91	-1.9688	1.7548
		7	-0.516	0.93926	0.584	-2.3778	1.3458
		8	-0.246	0.93926	0.794	-2.1078	1.6158
		9	-1.701	0.93926	0.073	-3.5628	0.1608
		11	-2.66600*	0.93926	0.005	-4.5278	-0.8042
		12	-0.61	0.93926	0.517	-2.4718	1.2518
	11	1	0.786	0.93926	0.405	-1.0758	2.6478
		2	1.88500*	0.93926	0.047	0.0232	3.7468
		3	3.12500*	0.93926	0.001	1.2632	4.9868

		4	2.95000*	0.93926	0.002	1.0882	4.8118
		5	2.10800*	0.93926	0.027	0.2462	3.9698
		6	2.55900*	0.93926	0.008	0.6972	4.4208
		7	2.15000*	0.93926	0.024	0.2882	4.0118
		8	2.42000*	0.93926	0.011	0.5582	4.2818
		9	0.965	0.93926	0.307	-0.8968	2.8268
		10	2.66600*	0.93926	0.005	0.8042	4.5278
		12	2.05600*	0.93926	0.031	0.1942	3.9178
	12	1	-1.27	0.93926	0.179	-3.1318	0.5918
		2	-0.171	0.93926	0.856	-2.0328	1.6908
		3	1.069	0.93926	0.258	-0.7928	2.9308
		4	0.894	0.93926	0.343	-0.9678	2.7558
		5	0.052	0.93926	0.956	-1.8098	1.9138
		6	0.503	0.93926	0.593	-1.3588	2.3648
		7	0.094	0.93926	0.92	-1.7678	1.9558
		8	0.364	0.93926	0.699	-1.4978	2.2258
		9	-1.091	0.93926	0.248	-2.9528	0.7708
		10	0.61	0.93926	0.517	-1.2518	2.4718
		11	-2.05600*	0.93926	0.031	-3.9178	-0.1942
TP	1	2	-.15430*	0.04752	0.002	-0.2485	-0.0601
		3	-0.058	0.04752	0.225	-0.1522	0.0362
		4	-0.09	0.04752	0.061	-0.1842	0.0042
		5	-.23900*	0.04752	0	-0.3332	-0.1448
		6	-0.035	0.04752	0.463	-0.1292	0.0592
		7	-0.091	0.04752	0.058	-0.1852	0.0032
		8	-0.065	0.04752	0.174	-0.1592	0.0292
		9	-0.081	0.04752	0.091	-0.1752	0.0132
		10	-0.029	0.04752	0.543	-0.1232	0.0652
		11	-0.019	0.04752	0.69	-0.1132	0.0752
		12	-0.076	0.04752	0.113	-0.1702	0.0182
	2	1	.15430*	0.04752	0.002	0.0601	0.2485
		3	.09630*	0.04752	0.045	0.0021	0.1905
		4	0.0643	0.04752	0.179	-0.0299	0.1585
		5	-0.0847	0.04752	0.077	-0.1789	0.0095
		6	.11930*	0.04752	0.014	0.0251	0.2135
		7	0.0633	0.04752	0.186	-0.0309	0.1575
		8	0.0893	0.04752	0.063	-0.0049	0.1835
		9	0.0733	0.04752	0.126	-0.0209	0.1675
		10	.12530*	0.04752	0.01	0.0311	0.2195
		11	.13530*	0.04752	0.005	0.0411	0.2295
		12	0.0783	0.04752	0.102	-0.0159	0.1725
	3	1	0.058	0.04752	0.225	-0.0362	0.1522
		2	-.09630*	0.04752	0.045	-0.1905	-0.0021

		4	-0.032	0.04752	0.502	-0.1262	0.0622
		5	-.18100*	0.04752	0	-0.2752	-0.0868
		6	0.023	0.04752	0.629	-0.0712	0.1172
		7	-0.033	0.04752	0.489	-0.1272	0.0612
		8	-0.007	0.04752	0.883	-0.1012	0.0872
		9	-0.023	0.04752	0.629	-0.1172	0.0712
		10	0.029	0.04752	0.543	-0.0652	0.1232
		11	0.039	0.04752	0.414	-0.0552	0.1332
		12	-0.018	0.04752	0.706	-0.1122	0.0762
	4	1	0.09	0.04752	0.061	-0.0042	0.1842
		2	-0.0643	0.04752	0.179	-0.1585	0.0299
		3	0.032	0.04752	0.502	-0.0622	0.1262
		5	-.14900*	0.04752	0.002	-0.2432	-0.0548
		6	0.055	0.04752	0.25	-0.0392	0.1492
		7	-0.001	0.04752	0.983	-0.0952	0.0932
		8	0.025	0.04752	0.6	-0.0692	0.1192
		9	0.009	0.04752	0.85	-0.0852	0.1032
		10	0.061	0.04752	0.202	-0.0332	0.1552
		11	0.071	0.04752	0.138	-0.0232	0.1652
		12	0.014	0.04752	0.769	-0.0802	0.1082
	5	1	.23900*	0.04752	0	0.1448	0.3332
		2	0.0847	0.04752	0.077	-0.0095	0.1789
		3	.18100*	0.04752	0	0.0868	0.2752
		4	.14900*	0.04752	0.002	0.0548	0.2432
		6	.20400*	0.04752	0	0.1098	0.2982
		7	.14800*	0.04752	0.002	0.0538	0.2422
		8	.17400*	0.04752	0	0.0798	0.2682
		9	.15800*	0.04752	0.001	0.0638	0.2522
		10	.21000*	0.04752	0	0.1158	0.3042
		11	.22000*	0.04752	0	0.1258	0.3142
		12	.16300*	0.04752	0.001	0.0688	0.2572
	6	1	0.035	0.04752	0.463	-0.0592	0.1292
		2	-.11930*	0.04752	0.014	-0.2135	-0.0251
		3	-0.023	0.04752	0.629	-0.1172	0.0712
		4	-0.055	0.04752	0.25	-0.1492	0.0392
		5	-.20400*	0.04752	0	-0.2982	-0.1098
		7	-0.056	0.04752	0.241	-0.1502	0.0382
		8	-0.03	0.04752	0.529	-0.1242	0.0642
		9	-0.046	0.04752	0.335	-0.1402	0.0482
		10	0.006	0.04752	0.9	-0.0882	0.1002
		11	0.016	0.04752	0.737	-0.0782	0.1102
		12	-0.041	0.04752	0.39	-0.1352	0.0532
	7	1	0.091	0.04752	0.058	-0.0032	0.1852

		2	-0.0633	0.04752	0.186	-0.1575	0.0309
		3	0.033	0.04752	0.489	-0.0612	0.1272
		4	0.001	0.04752	0.983	-0.0932	0.0952
		5	-.14800*	0.04752	0.002	-0.2422	-0.0538
		6	0.056	0.04752	0.241	-0.0382	0.1502
		8	0.026	0.04752	0.585	-0.0682	0.1202
		9	0.01	0.04752	0.834	-0.0842	0.1042
		10	0.062	0.04752	0.195	-0.0322	0.1562
		11	0.072	0.04752	0.133	-0.0222	0.1662
		12	0.015	0.04752	0.753	-0.0792	0.1092
	8	1	0.065	0.04752	0.174	-0.0292	0.1592
		2	-0.0893	0.04752	0.063	-0.1835	0.0049
		3	0.007	0.04752	0.883	-0.0872	0.1012
		4	-0.025	0.04752	0.6	-0.1192	0.0692
		5	-.17400*	0.04752	0	-0.2682	-0.0798
		6	0.03	0.04752	0.529	-0.0642	0.1242
		7	-0.026	0.04752	0.585	-0.1202	0.0682
		9	-0.016	0.04752	0.737	-0.1102	0.0782
		10	0.036	0.04752	0.45	-0.0582	0.1302
		11	0.046	0.04752	0.335	-0.0482	0.1402
		12	-0.011	0.04752	0.817	-0.1052	0.0832
	9	1	0.081	0.04752	0.091	-0.0132	0.1752
		2	-0.0733	0.04752	0.126	-0.1675	0.0209
		3	0.023	0.04752	0.629	-0.0712	0.1172
		4	-0.009	0.04752	0.85	-0.1032	0.0852
		5	-.15800*	0.04752	0.001	-0.2522	-0.0638
		6	0.046	0.04752	0.335	-0.0482	0.1402
		7	-0.01	0.04752	0.834	-0.1042	0.0842
		8	0.016	0.04752	0.737	-0.0782	0.1102
		10	0.052	0.04752	0.276	-0.0422	0.1462
		11	0.062	0.04752	0.195	-0.0322	0.1562
		12	0.005	0.04752	0.916	-0.0892	0.0992
	10	1	0.029	0.04752	0.543	-0.0652	0.1232
		2	-.12530*	0.04752	0.01	-0.2195	-0.0311
		3	-0.029	0.04752	0.543	-0.1232	0.0652
		4	-0.061	0.04752	0.202	-0.1552	0.0332
		5	-.21000*	0.04752	0	-0.3042	-0.1158
		6	-0.006	0.04752	0.9	-0.1002	0.0882
		7	-0.062	0.04752	0.195	-0.1562	0.0322
		8	-0.036	0.04752	0.45	-0.1302	0.0582
		9	-0.052	0.04752	0.276	-0.1462	0.0422
		11	0.01	0.04752	0.834	-0.0842	0.1042
		12	-0.047	0.04752	0.325	-0.1412	0.0472

	11	1	0.019	0.04752	0.69	-0.0752	0.1132
		2	-.13530*	0.04752	0.005	-0.2295	-0.0411
		3	-0.039	0.04752	0.414	-0.1332	0.0552
		4	-0.071	0.04752	0.138	-0.1652	0.0232
		5	-.22000*	0.04752	0	-0.3142	-0.1258
		6	-0.016	0.04752	0.737	-0.1102	0.0782
		7	-0.072	0.04752	0.133	-0.1662	0.0222
		8	-0.046	0.04752	0.335	-0.1402	0.0482
		9	-0.062	0.04752	0.195	-0.1562	0.0322
		10	-0.01	0.04752	0.834	-0.1042	0.0842
		12	-0.057	0.04752	0.233	-0.1512	0.0372
	12	1	0.076	0.04752	0.113	-0.0182	0.1702
		2	-0.0783	0.04752	0.102	-0.1725	0.0159
		3	0.018	0.04752	0.706	-0.0762	0.1122
		4	-0.014	0.04752	0.769	-0.1082	0.0802
		5	-.16300*	0.04752	0.001	-0.2572	-0.0688
		6	0.041	0.04752	0.39	-0.0532	0.1352
		7	-0.015	0.04752	0.753	-0.1092	0.0792
		8	0.011	0.04752	0.817	-0.0832	0.1052
		9	-0.005	0.04752	0.916	-0.0992	0.0892
		10	0.047	0.04752	0.325	-0.0472	0.1412
		11	0.057	0.04752	0.233	-0.0372	0.1512
NH_4^+	1	2	-0.927	0.56794	0.106	-2.0527	0.1987
		3	0.0831	0.56794	0.884	-1.0426	1.2088
		4	0.3659	0.56794	0.521	-0.7598	1.4916
		5	-0.9566	0.56794	0.095	-2.0823	0.1691
		6	-0.0916	0.56794	0.872	-1.2173	1.0341
		7	0.0673	0.56794	0.906	-1.0584	1.193
		8	0.1651	0.56794	0.772	-0.9606	1.2908
		9	0.1914	0.56794	0.737	-0.9343	1.3171
		10	0.1249	0.56794	0.826	-1.0008	1.2506
		11	-1.68190*	0.56794	0.004	-2.8076	-0.5562
		12	0.127	0.56794	0.823	-0.9987	1.2527
	2	1	0.927	0.56794	0.106	-0.1987	2.0527
		3	1.0101	0.56794	0.078	-0.1156	2.1358
		4	1.29290*	0.56794	0.025	0.1672	2.4186
		5	-0.0296	0.56794	0.959	-1.1553	1.0961
		6	0.8354	0.56794	0.144	-0.2903	1.9611
		7	0.9943	0.56794	0.083	-0.1314	2.12
		8	1.0921	0.56794	0.057	-0.0336	2.2178
		9	1.1184	0.56794	0.051	-0.0073	2.2441
		10	1.0519	0.56794	0.067	-0.0738	2.1776
		11	-0.7549	0.56794	0.187	-1.8806	0.3708

		12	1.054	0.56794	0.066	-0.0717	2.1797
	3	1	-0.0831	0.56794	0.884	-1.2088	1.0426
		2	-1.0101	0.56794	0.078	-2.1358	0.1156
		4	0.2828	0.56794	0.62	-0.8429	1.4085
		5	-1.0397	0.56794	0.07	-2.1654	0.086
		6	-0.1747	0.56794	0.759	-1.3004	0.951
		7	-0.0158	0.56794	0.978	-1.1415	1.1099
		8	0.082	0.56794	0.885	-1.0437	1.2077
		9	0.1083	0.56794	0.849	-1.0174	1.234
		10	0.0418	0.56794	0.941	-1.0839	1.1675
		11	-1.76500*	0.56794	0.002	-2.8907	-0.6393
		12	0.0439	0.56794	0.939	-1.0818	1.1696
	4	1	-0.3659	0.56794	0.521	-1.4916	0.7598
		2	-1.29290*	0.56794	0.025	-2.4186	-0.1672
		3	-0.2828	0.56794	0.62	-1.4085	0.8429
		5	-1.32250*	0.56794	0.022	-2.4482	-0.1968
		6	-0.4575	0.56794	0.422	-1.5832	0.6682
		7	-0.2986	0.56794	0.6	-1.4243	0.8271
		8	-0.2008	0.56794	0.724	-1.3265	0.9249
		9	-0.1745	0.56794	0.759	-1.3002	0.9512
		10	-0.241	0.56794	0.672	-1.3667	0.8847
		11	-2.04780*	0.56794	0	-3.1735	-0.9221
		12	-0.2389	0.56794	0.675	-1.3646	0.8868
	5	1	0.9566	0.56794	0.095	-0.1691	2.0823
		2	0.0296	0.56794	0.959	-1.0961	1.1553
		3	1.0397	0.56794	0.07	-0.086	2.1654
		4	1.32250*	0.56794	0.022	0.1968	2.4482
		6	0.865	0.56794	0.131	-0.2607	1.9907
		7	1.0239	0.56794	0.074	-0.1018	2.1496
		8	1.1217	0.56794	0.051	-0.004	2.2474
		9	1.14800*	0.56794	0.046	0.0223	2.2737
		10	1.0815	0.56794	0.06	-0.0442	2.2072
		11	-0.7253	0.56794	0.204	-1.851	0.4004
		12	1.0836	0.56794	0.059	-0.0421	2.2093
	6	1	0.0916	0.56794	0.872	-1.0341	1.2173
		2	-0.8354	0.56794	0.144	-1.9611	0.2903
		3	0.1747	0.56794	0.759	-0.951	1.3004
		4	0.4575	0.56794	0.422	-0.6682	1.5832
		5	-0.865	0.56794	0.131	-1.9907	0.2607
		7	0.1589	0.56794	0.78	-0.9668	1.2846
		8	0.2567	0.56794	0.652	-0.869	1.3824
		9	0.283	0.56794	0.619	-0.8427	1.4087
		10	0.2165	0.56794	0.704	-0.9092	1.3422

		11	-1.59030*	0.56794	0.006	-2.716	-0.4646
		12	0.2186	0.56794	0.701	-0.9071	1.3443
	7	1	-0.0673	0.56794	0.906	-1.193	1.0584
		2	-0.9943	0.56794	0.083	-2.12	0.1314
		3	0.0158	0.56794	0.978	-1.1099	1.1415
		4	0.2986	0.56794	0.6	-0.8271	1.4243
		5	-1.0239	0.56794	0.074	-2.1496	0.1018
		6	-0.1589	0.56794	0.78	-1.2846	0.9668
		8	0.0978	0.56794	0.864	-1.0279	1.2235
		9	0.1241	0.56794	0.827	-1.0016	1.2498
		10	0.0576	0.56794	0.919	-1.0681	1.1833
		11	-1.74920*	0.56794	0.003	-2.8749	-0.6235
		12	0.0597	0.56794	0.916	-1.066	1.1854
	8	1	-0.1651	0.56794	0.772	-1.2908	0.9606
		2	-1.0921	0.56794	0.057	-2.2178	0.0336
		3	-0.082	0.56794	0.885	-1.2077	1.0437
		4	0.2008	0.56794	0.724	-0.9249	1.3265
		5	-1.1217	0.56794	0.051	-2.2474	0.004
		6	-0.2567	0.56794	0.652	-1.3824	0.869
		7	-0.0978	0.56794	0.864	-1.2235	1.0279
		9	0.0263	0.56794	0.963	-1.0994	1.152
		10	-0.0402	0.56794	0.944	-1.1659	1.0855
		11	-1.84700*	0.56794	0.002	-2.9727	-0.7213
		12	-0.0381	0.56794	0.947	-1.1638	1.0876
	9	1	-0.1914	0.56794	0.737	-1.3171	0.9343
		2	-1.1184	0.56794	0.051	-2.2441	0.0073
		3	-0.1083	0.56794	0.849	-1.234	1.0174
		4	0.1745	0.56794	0.759	-0.9512	1.3002
		5	-1.14800*	0.56794	0.046	-2.2737	-0.0223
		6	-0.283	0.56794	0.619	-1.4087	0.8427
		7	-0.1241	0.56794	0.827	-1.2498	1.0016
		8	-0.0263	0.56794	0.963	-1.152	1.0994
		10	-0.0665	0.56794	0.907	-1.1922	1.0592
		11	-1.87330*	0.56794	0.001	-2.999	-0.7476
		12	-0.0644	0.56794	0.91	-1.1901	1.0613
	10	1	-0.1249	0.56794	0.826	-1.2506	1.0008
		2	-1.0519	0.56794	0.067	-2.1776	0.0738
		3	-0.0418	0.56794	0.941	-1.1675	1.0839
		4	0.241	0.56794	0.672	-0.8847	1.3667
		5	-1.0815	0.56794	0.06	-2.2072	0.0442
		6	-0.2165	0.56794	0.704	-1.3422	0.9092
		7	-0.0576	0.56794	0.919	-1.1833	1.0681
		8	0.0402	0.56794	0.944	-1.0855	1.1659

		9	0.0665	0.56794	0.907	-1.0592	1.1922
		11	-1.80680*	0.56794	0.002	-2.9325	-0.6811
		12	0.0021	0.56794	0.997	-1.1236	1.1278
	11	1	1.68190*	0.56794	0.004	0.5562	2.8076
		2	0.7549	0.56794	0.187	-0.3708	1.8806
		3	1.76500*	0.56794	0.002	0.6393	2.8907
		4	2.04780*	0.56794	0	0.9221	3.1735
		5	0.7253	0.56794	0.204	-0.4004	1.851
		6	1.59030*	0.56794	0.006	0.4646	2.716
		7	1.74920*	0.56794	0.003	0.6235	2.8749
		8	1.84700*	0.56794	0.002	0.7213	2.9727
		9	1.87330*	0.56794	0.001	0.7476	2.999
		10	1.80680*	0.56794	0.002	0.6811	2.9325
		12	1.80890*	0.56794	0.002	0.6832	2.9346
	12	1	-0.127	0.56794	0.823	-1.2527	0.9987
		2	-1.054	0.56794	0.066	-2.1797	0.0717
		3	-0.0439	0.56794	0.939	-1.1696	1.0818
		4	0.2389	0.56794	0.675	-0.8868	1.3646
		5	-1.0836	0.56794	0.059	-2.2093	0.0421
		6	-0.2186	0.56794	0.701	-1.3443	0.9071
		7	-0.0597	0.56794	0.916	-1.1854	1.066
		8	0.0381	0.56794	0.947	-1.0876	1.1638
		9	0.0644	0.56794	0.91	-1.0613	1.1901
		10	-0.0021	0.56794	0.997	-1.1278	1.1236
		11	-1.80890*	0.56794	0.002	-2.9346	-0.6832